#### **SUBJECT INDEX**

Algae: 3 IFC Anemone, brooding: 276-77 man-made, ICONN-Erie: 3 170-179 Arctic research station, CESAR: spoil: 4 241-247 6 342-349 Isopod: 2 IFC Barrier beach: 2 104-109; 4 238-240 Law of the Sea: 6 358-366 Belau: 132-39 Lighthouse: Bird: Bass Harbor Head, Maine: 4 BC least tern: 4 224-229 Datca Peninsula, Turkey: 2 BC penguin, jackass: 6 350-357 Eaton's Neck Fresnel lens, New York: Blood, blue: 2 110-117 Boats, Maltese: 4 FC; 4 194-197 keepers, women: 116-21 Lime Kiln, Washington: 1 BC Caribbean environmental program: 3 151-154 Matinicus Rock, Maine: 116-21 Carmel Bay, California: 3 130-138 Mile Rocks, California: 4 230-237 CESAR research station: 6 342-349 Point Reyes mechanism, California: Chattey, Nigel: 3 170-179 Christchurch Bay tower: 5 294-297 West Breakwater, Ohio: 6 BC City of Rio de Janeiro: 4 230-237 Maltese boats: 4 FC; 4 194-197 Cocos Island: 3 157-165 Manatee: 140-44 Coquina rock: 111-15 Mariculture, shrimp, Japanese: 5 272-277 Coral: 1 IFC; 5 286-294 Marine fouler: 3 166-169 Crab: Marsh plants: 6 335-341 Dungeness: 145-50 Oil-platform: horseshoe: 2 110-117 fires, fighting: 286-93 structure safety: 5 294-297 Delaware beachfront: 2 104-109 Diving helmet: 5 FC; 5 266-271 Pollution: 3 143-150; 3 151-154 Dredging: 145-50; 4241-247 Radioactive-waste disposal: 4 210-217 Dry Tortugas: 2 66-75 Reef-netting: 5 298-303 Erie Canal project: 3 170-179 Reef: Erosion, coastal: 2 104-109 Belau: 132-39 Fish: inland: 5 278-286 anemonefish: 4 IBC Rocks, The: 111-15 camouflage: 4 218-223 Sand bar: 2 94-103 Sea level: 2 104-109 Chinese mandarin: 5 IBC leatherjacket: 3 139-142 Shell: mola: 6 367-371 cone: 130-31 oama: 3 155-156 murex: 2 IBC salmon: 5 298-303 scallop: 2 IBC schooling: 4 218-223 Shipwreck: City of Rio de Janeiro: scorpionfish: 5 IFC 4 230-237 sergeant major: 5 304-305 Shrimp: shark, basking: 278-85 mantis: 1 IBC smelt: 4 206-209 mariculture: 5 272-277 survival strategies: 4 218-223 Stellwagen Bank: 122-29 tuna: 151-56 Swimming safety: 4 238-240 Fiord: 5 306-310 Tharos, M.S.V.: 286-93 Fouler, marine: 3 166-169 Turtle, green: 6 329-334 Gasparilla Island, Florida: 4 224-229 United Nations Environment Program: Glacier: 5 306-310 3 143-150 Hardhat diving helmet: 5 FC; 5 266-271 Whale: Hawaiian fishing: 3 155-156 humpback: 122-29; 3139-142; Hemocyanin: 2 110-117 5 258-265 Hydroid: 4 IFC stranding: 4 198-205 Ice scooter: 6 FC; 6 322-328 Worms: ICONN-Erie Project: 3 170-179 fireworms: 3 IBC

BC - back cover; FC - front cover; IBC - inside back cover; IFC - inside front cover

flatworms: 1 FC: 12-10

Inland seas: 5 278-286



## Supplement to

# Sea Frontiers<sup>®</sup>

Magazine of the International Oceanographic Foundation

#### CONTENTS

VOLUME 29, 1983 NUMBERS 1-6

Published by The International Oceanographic Foundation 3979 Rickenbacker Causeway, Miami, Florida 33149

### Contents of Volume 29-1983

NUMBER 1, JANUARY-FEBRUARY The colorful flatworms ...... Scott Johnson ...... The Rocks ..... Linda Duggar ..... Keepers in skirts ..... Elinor De Wire ..... 16 The whales of Stellwagen ...... Haynes R. Mahoney ...... 22 Belau from above ..... Douglas Faulkner ..... 32 Manatees and power plants ..... Susan Shane ..... 40 Saving crabs from dredges ...... Bradley G. Stevens ...... 45 Tunas - Nomads of the sea ..... Michele Winkler, Shari E. Sitko and Paul N. Sund . . . . . . . . . . . . 51 About the authors ..... NUMBER 2, MARCH-APRIL Dry Tortugas: Products of time ........... John E. Reynolds III and John C. Steinmetz ..... The awesome basking shark ...... Chuck Davis ...... 78 Sand bars: When the waters ebb ...... Lherif P. Loraamm ..... 94 Beachfront roulette ...... James W. Westgate ............... 104 Gifts from the sea ...... 127 NUMBER 3, MAY-JUNE Oama summer ..... James F. Schlais ...... 155 Miniature marine foulers ...... Patrick R. Kelly ...... 166 Man-made island: Solution to economic and environmental woes? ..... James Ehmann ..... 170 

NUMBER 4, J	ULY-AUGUST
Boats of Malta	Richard O'Feldman 194
In the belly of the whale	John E. Reynolds III 198
Surf smelt run	Edward B. Dunn
Burying radioactive waste in the deep-sea floor	Crea Sopher and
	Nancy Penrose 210
Eat or be eaten: Survival strategies of fishes	Scott P. Bannerot
Least terns of Gasparilla Island	Thomas G. Bell
The City of Rio de Janeiro: Voyage #80	Mardi Berkhouse Jones 230
The distressed ocean swimmer	Richard D. Baker
Dredge spoil: Not always a waste	Robert J. Goldstein 241
Science of the sea in books	
About the authors	
Gifts from the sea	
NUMBER 5, SEPTE	EMBER-OCTOBER
Hungry humpbacks forever blowing bubbles	Gerard Gormley 258

Hungry humpbacks forever blowing bubbles	Gerard Gormley	258
The great copper-pot hunt	Richard J. Burke	266
Intensive shrimp culture in Japan	Daniel Spotts	272
Inland seas, reefs and oil	Kathleen Mark	278
How corals feed	Nancy Sefton	287
Christchurch Bay's monument to safety	Robin Burton	294
Reef-netting for salmon	Daniel L. Boxberger	298
Sergeant major on guard	Dee Scarr	304
Footprints of glaciers	Edwin J. C. Sobey	306
Science of the sea in books		311
About the authors		316
Gifts from the sea		319

# NUMBER 6, NOVEMBER-DECEMBER

Ice scooters of Bellport Bay	Mitch Carucci
A surfeit of turtles	
Life in the high marsh	Thomas M. Baird 335
Ice station CESAR: The Alpha Ridge enigma	Alan Harman
Plight of the jackass penguin	Larry Wood 350
Law of the Sea treaty: What does it mean to	
nonsigners (like the United States)?	Bob Loeffelbein
Mysterious Mola mola	George Reiger
IOF's 30th anniversary contest	372
Science of the sea in books	
About the authors	
Gifts from the sea	